

**SRI Satellite Workshop July 13-14, 2015**  
**Emerging Opportunities in High Energy X-ray Science: The Diffraction Limited Storage Ring Frontier**

**Monday, July 13, 2015**

7:45	Refreshments	<b>Building 402/E1100</b>
<b>JOINT PLENARY SESSION</b>		<b>Building 401/A1100</b>
8:15	Linda Young	Welcome
8:30	Henning Poulsen	Hard x-ray microscopy for multiscale materials science
9:00	Wendy Mao	Opportunities for high pressure science at the diffraction limit
9:30	Matt Tirrell	Multivalent interactions in ion-containing polymers
10:00	Break - Group Photo	
<i>Chair</i>	<i>David Tiede</i>	
10:30	Sossina Haile	Insights into Oxygen Electroreduction on (La,Sr)MnO <sub>3</sub>
11:00	Joe Hupp	AIM-ing for Catalysis (Atomic-layer-deposition In Metal-organic framework materials)
11:30	Gayle Woloschak	Biological studies with the bionanoprobe
12:00	Lunch	<b>Building 401/Lower Level Gallery</b>
		<b>Building 401/A1100</b>
<i>Chair</i>	<i>Stefan Vogt</i>	
1:45	Brian Stephenson	What can we get from improved transverse coherence at a synchrotron
2:30	Xianbo Shi	Optics considerations for APS-U
3:00	<b>PARALLEL FOCUS SESSIONS</b>	
<b>Structural Materials</b>		<b>Building 401/A1100</b>
<i>Chairs</i>	<i>Bob Suter and Jon Almer</i>	
3:00	Tony Rollett	Grand Challenges in Structural Materials
3:40	Peter Voorhees	The Intersection of Simulation and Tomography
4:20	Uta Ruett	Surface diffraction with high energy X-rays
5:00	Attendees	Ideas from the floor
	Bob Suter	Thoughts from May workshop on Advanced Materials/Mesoscale Engineering
<b>Chemistry &amp; Industrial Applications</b>		<b>Building 402/E1100</b>
<i>Chairs</i>	<i>David Tiede, Pete Chupas and Mali Balasubramanian</i>	
3:00	Wenbin Lin	Metal-organic Frameworks for Sustainable Catalysis and Energy Production
3:40	Conal Murray	Exploring the future of nanoelectronics using x-rays
4:20	Attendees	Ideas from the floor
	Pete Chupas	Thoughts from May workshop on Advanced Materials/Mesoscale Engineering
	David Tiede	Thoughts from May workshop on Chemistry and Catalysis
<b>Environmental &amp; Earth Science</b>		<b>Building 402/E1200</b>
<i>Chairs</i>	<i>John Parise and Jesse Smith</i>	
3:00	Tony Lanzirotti	Opportunities in Earth, Environmental and Extreme Conditions Science at hard x-ray diffraction limited storage rings
3:40	Jennifer Jackson	Exploring atomic dynamics under extreme conditions
4:20	Attendees	Ideas from the floor
	John Parise	Thoughts from May workshop on Earth, Environmental and Extreme Conditions Science
5:30	Dinner at Argonne Guest House	(Registered dinner attendees only)

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Tuesday, July 14, 2015

8:00	Refreshments	Building 402/E1100
9:00	<b>PARALLEL FOCUS SESSIONS</b>	
	<b>Materials Synthesis &amp; Condensed Matter</b>	<b>Building 401/A1100</b>
<i>Chairs</i>	<i>Paul Evans and Haidan Wen</i>	
9:00	Oleg Shpyrko	Coherent X-ray Nano-Vision
9:40	Darrell Schlom	Establishing How Oxide Films Grow: An Essential Part of the Materials by Design Dream
10:20	Attendees	Ideas from the floor
	John Freeland	Thoughts from May workshop on Condensed Matter Physics
	<b>Soft Materials &amp; Bioscience</b>	<b>Building 402/E1100</b>
<i>Chairs</i>	<i>Byeongdu Lee and Stefan Vogt</i>	
9:00	Stephen Cheng	Giant Surfactants based on Precisely Functionalized POSS Nano-atoms: Tuning from Crystals to Frank-Kasper Phases and Quasicrystals
9:40	Hyunjung Kim	Use of Coherence in Hard X-rays to Study Dynamics and Structure
10:20	Attendees	Ideas from the floor
	Bob Leheny	New Opportunities in Soft Matter Research Employing High Energy X-rays
	Bob Fischetti	Thoughts from June workshop on Biology and Life Science
12:00	Lunch	Building 401/Lower Level Gallery
1:30	<b>Joint Closeout (15 min each)</b>	<b>Building 401/A1100</b>
<i>Chair</i>	<i>Paul Evans</i>	
	Structural Materials	
	Chemistry & Industrial Applications	
	Environmental & Earth Science	
	Materials Synthesis & Condensed Matter	
	Soft Materials & Bioscience	
3:00	End of Workshop	